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Associate Professor of Statistics

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EDUCATION	August, 2014 2009	Ph.D., Statistics, Oklahoma State University B.S., Computational Mathematics, Dalian University of Technology, China
PROFESSIONAL EXPERIENCE	2014-present 2014-2020 2009-2014 2012, fall	Associate Professor, Department of Mathematics & Statistics, Villanova University Assistant Professor, Department of Mathematics & Statistics, Villanova University Teaching Assistant, Department of Statistics, Oklahoma State University Research Assistant, Department of Statistics, Oklahoma State University
RESEARCH INTERESTS	Inference on Ranked-Set Sampling, Multiple Comparisons, Statistical Learning	
AWARDS	2014 2013 2010 2005-2006	Carl E. Marshall Award, Outstanding Ph.D. Graduate in Statistics 2014, Oklahoma State University Bob Morrison Scholarship, College of Arts and Sciences, Oklahoma State University M2010 Data Mining Conference Travel Grant, Business School, Oklahoma State University Mathematics Outstanding Student Scholarship, Dalian University of Technology
GRANTS	2020 2018-19	Villanova University Summer Research Grant, "Spatio-temporal Modeling of the Relationship Between Surface Temperature, Ambient Temperature and Urban Structure in Metropolitan Urban Systems". Villanova Institute for Teaching and Learning minigrant, "A Hybrid Flipped Classroom Model on Introductory Data Mining Course: A Blend of Lecture and Flipped Learn".
REFERRED PUBLICATIONS	Frey, J. and Zhang, Y., (submitted) "Robust Confidence Intervals for a Proportion Using Ranked-Set Sampling," <i>Journal of the Korean Statistical Society</i> . Frey, J. and Zhang, Y., (2019) "Improved Exact Confidence Intervals for a Proportion Using Ranked-Set Sampling," <i>Journal of the Korean Statistical Society</i> , 48(3), 493-501. Frey, J. and Zhang, Y. (2019) "An Omnibus Two-Sample Test for Ranked-Set Sampling Data," <i>Journal of the Korean Statistical Society</i> , 48(1), 106-116. Shakya1, K., Peltier, R., Zhang, Y., Pandey., B. (2019) "Roadside exposure and inflammation biomarkers among a cohort of traffic police in Kathmandu, Nepal." <i>International Journal of Environmental Research and Public Health</i> , 16(3), 377. Kremer, P. , Larondelle, N., Zhang, Y., Pasles, E., and Haase, D. (2018) "Within-class and neighborhood effects on the relationship between composite urban classes and surface temperature," <i>Sustainability</i> , 10(3), 645. Frey, J. and Zhang, Y. (2018) "An Algorithm with Applications in Ranked Set Sampling." <i>Journal of Statistical Computation and Simulation</i> , 88(3), 471-481. Frey, J. and Zhang, Y. (2017) "Testing Perfect Rankings in Ranked-Set Sampling with Binary Data." <i>The Canadian Journal of Statistics</i> , 45(3), 326-339.	